

300 L/h Two Pass **ENDOTHERM DUO**

A complete water purification system for endoscopy and CSSD applications, which can be programmed for thermal disinfection to take place out of hours



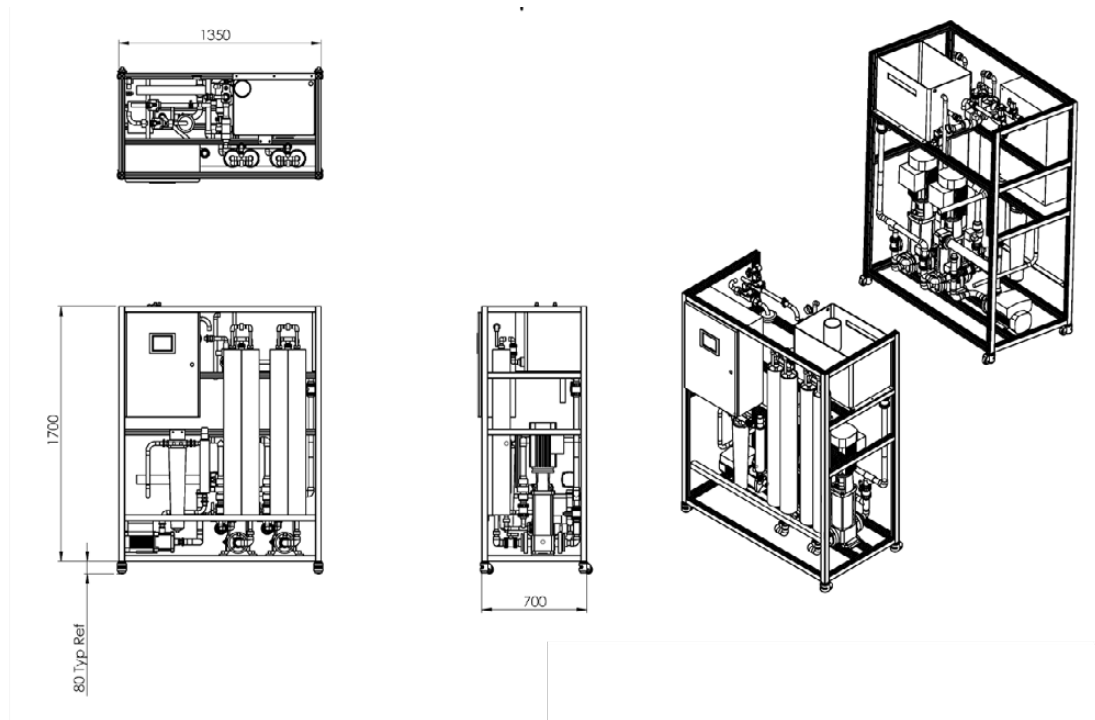
ENDOTHERM DUO MODULAR RO UNIT FOR ENDOSCOPY & CSSD

FEATURES

- Compliance assured – Meets CfPP01-06, EN ISO15883 and AS4187:2014 with programmable out-of-hours thermal disinfection.
- Simplified system – Integrated RO, tank and distribution pumps in one package.
- Versatile use – Feeds AERs, washer-disinfectors and sterilisers.
- Automated hygiene – Thermal disinfection >80°C performed automatically.
- Compact footprint – As small as 1400mm x 710mm x 1950mm (H).
- Consistent purity – Recirculates at user-set temperature via UV and endotoxin removal filter.
- Quiet operation – Suitable for washrooms or CSSDs, with optional panels.
- Durable and mobile – Duplex RO units on SS304 skid with wheels.
- Fast throughput – High dispense rates enable the quickest AER fill times.
- Validated quality – Hygienic sampling valve for verification.
- Peak demand ready – 316L stainless steel buffer tank ensures supply.
- Easy control – PLC with touchscreen HMI.
- Full traceability – Stores up to 3 years of data, downloadable via USB.
- Hygienic loops – Orbitally welded stainless steel or PEX distribution.
- Two pass system available.

Freecall 1800 656 771
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PLANS/DRAWINGS



OPERATIONAL REQUIREMENTS

FEED WATER REQUIREMENTS

Conductivity	< 1400 μ S/cm
Total Dissolved Solids (TDS)	<500ppm TDS
Hardness	<10ppm CaCO ₃
Temperature	5 - 40°C
Fouling Index (SDI)	<10
Free Chlorine	<0.5ppm
Silica	<30ppm SiO ₂
Pressure	>2.5 bar

TREATED WATER QUALITY

Conductivity	<30 μ S/cm
Bacteria	<1 CFU/100mL
Endotoxin	\leq 0.25 EU/mL

PRODUCT SPECIFICATION

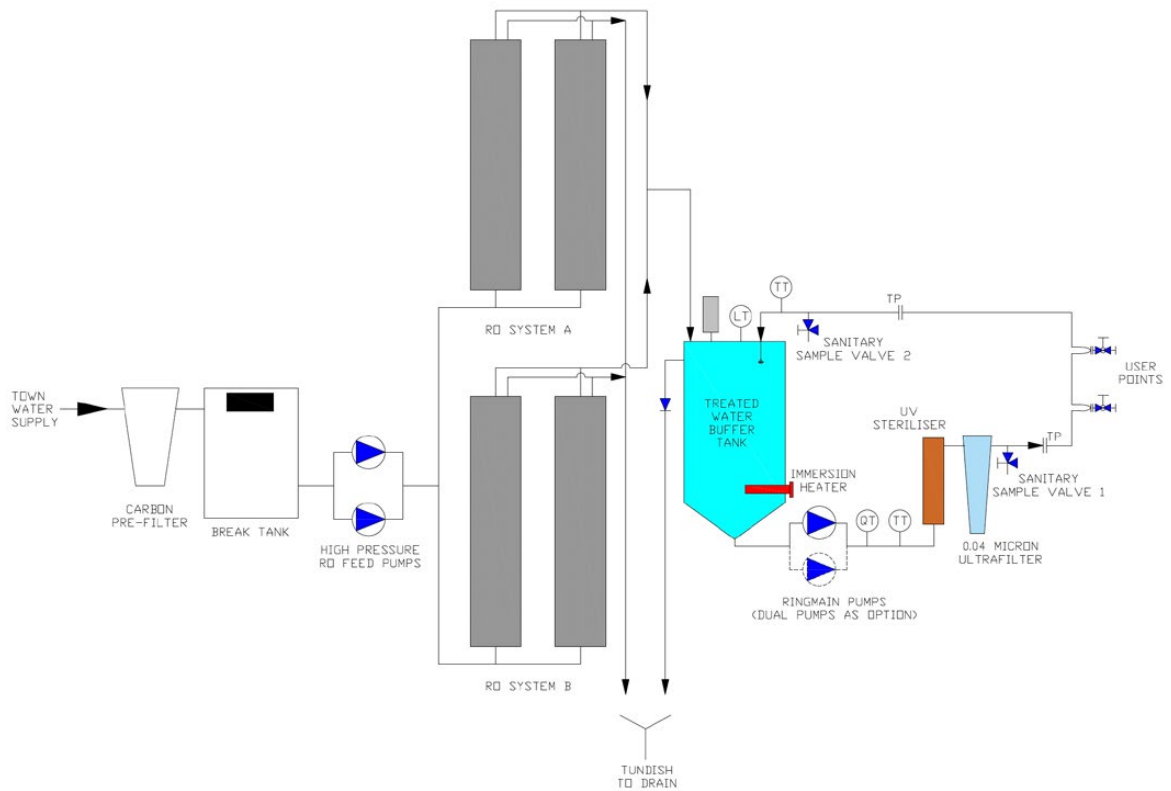
Production Rate @ 15°C	300 L/h
Delivery Flow Rate	up to 120 L/m
RO Recovery Rate	up to 75%
Dimensions HxWxD (mm)	1950 x 1400 x 750
Shipping Weight (Kg)	275
Inlet Connection	1" BSP (M/F?)
Standpipe Drainage Req'd	50mm
Ringmain Connection	1" IDF (M/F?)
Electrical Supply	3PH 415VAC, 63A

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PROCESS FLOW DIAGRAM



300 L/h Single Pass **ENDOTHERM DUO**

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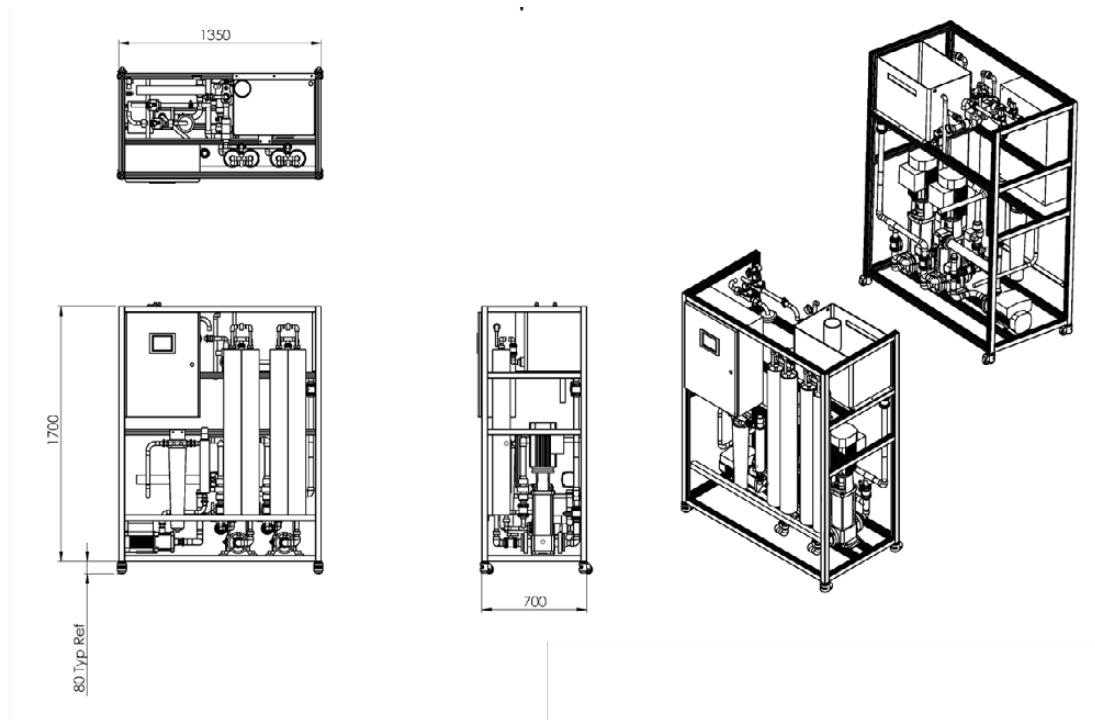
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PLANS/DRAWINGS



OPERATIONAL REQUIREMENTS

FEED WATER REQUIREMENTS

Conductivity	< 1400 μ S/cm
Total Dissolved Solids (TDS)	<500ppm TDS
Hardness	<10ppm CaCO_3
Temperature	5 - 40°C
Fouling Index (SDI)	<10
Free Chlorine	<0.5ppm
Silica	<30ppm SiO_2
Pressure	>2.5 bar

TREATED WATER QUALITY

Conductivity	<30 μ S/cm
Bacteria	<1 CFU/100mL
Endotoxin	\leq 0.25 EU/mL

PRODUCT SPECIFICATION

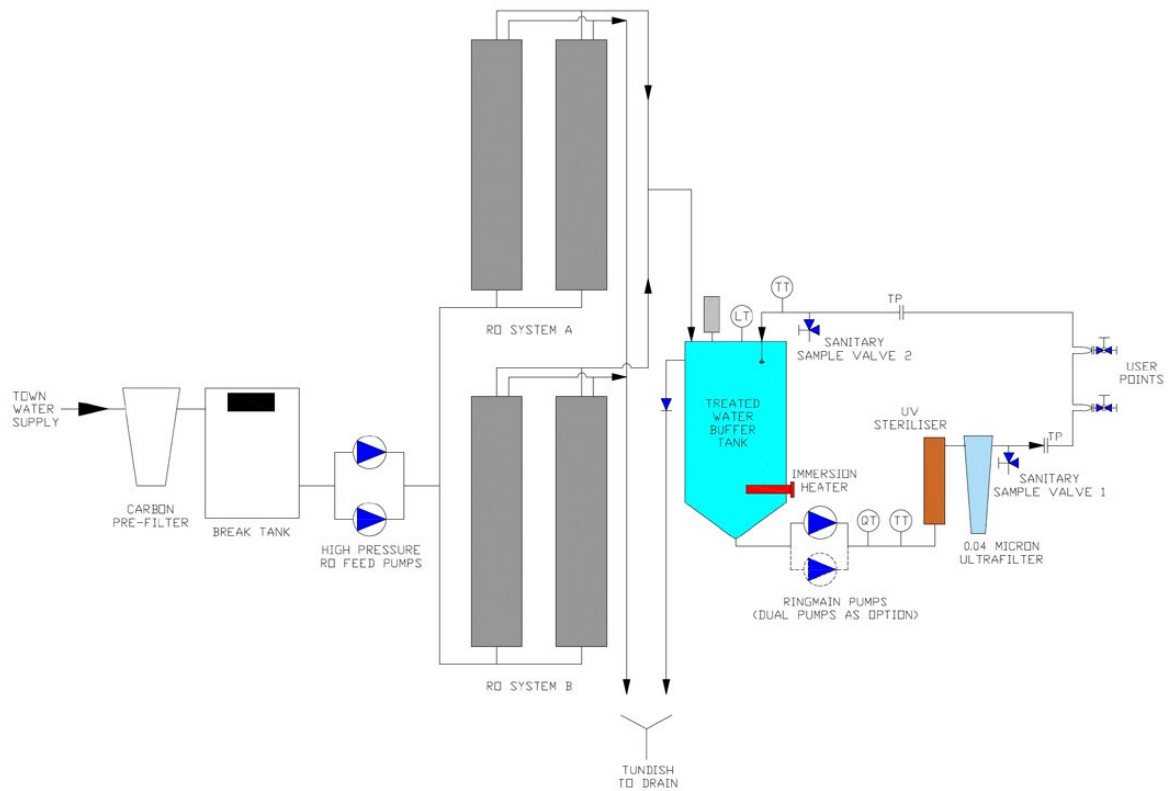
Production Rate @ 15°C	300 L/h
Delivery Flow Rate	up to 60 L/m
RO Recovery Rate	up to 75%
Dimensions HxWxD (mm)	1950 x 1400 x 710
Shipping Weight (Kg)	225
Inlet Connection	1" BSP
Standpipe Drainage Req'd	50mm
Ringmain Connection	1" IDF
Electrical Supply	3PH 415VAC, 63A

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PROCESS FLOW DIAGRAM



600 L/h Single Pass

ENDOTHERM DUO

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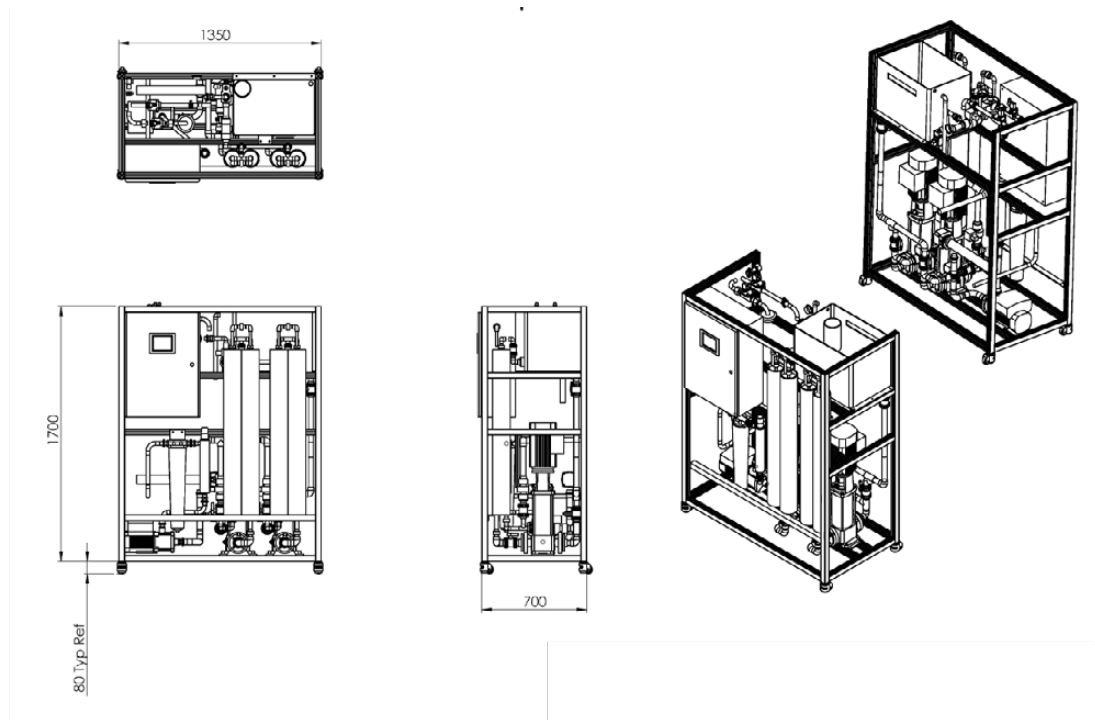


ENDOTHERM DUO MODULAR RO UNIT FOR ENDOSCOPY & CSSD

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- Consistent purity – Recirculates at user-set temperature via UV and endotoxin removal filter.
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PLANS/DRAWINGS



OPERATIONAL REQUIREMENTS

FEED WATER REQUIREMENTS	
Conductivity	< 1400 μ S/cm
Total Dissolved Solids (TDS)	<500ppm TDS
Hardness	<10ppm CaCO ₃
Temperature	5 - 40°C
Fouling Index (SDI)	<10
Free Chlorine	<0.5ppm
Silica	<30ppm SiO ₂
Pressure	>2.5 bar
TREATED WATER QUALITY	
Conductivity	<30 μ S/cm
Bacteria	<1 CFU/100mL
Endotoxin	\leq 0.25 EU/mL

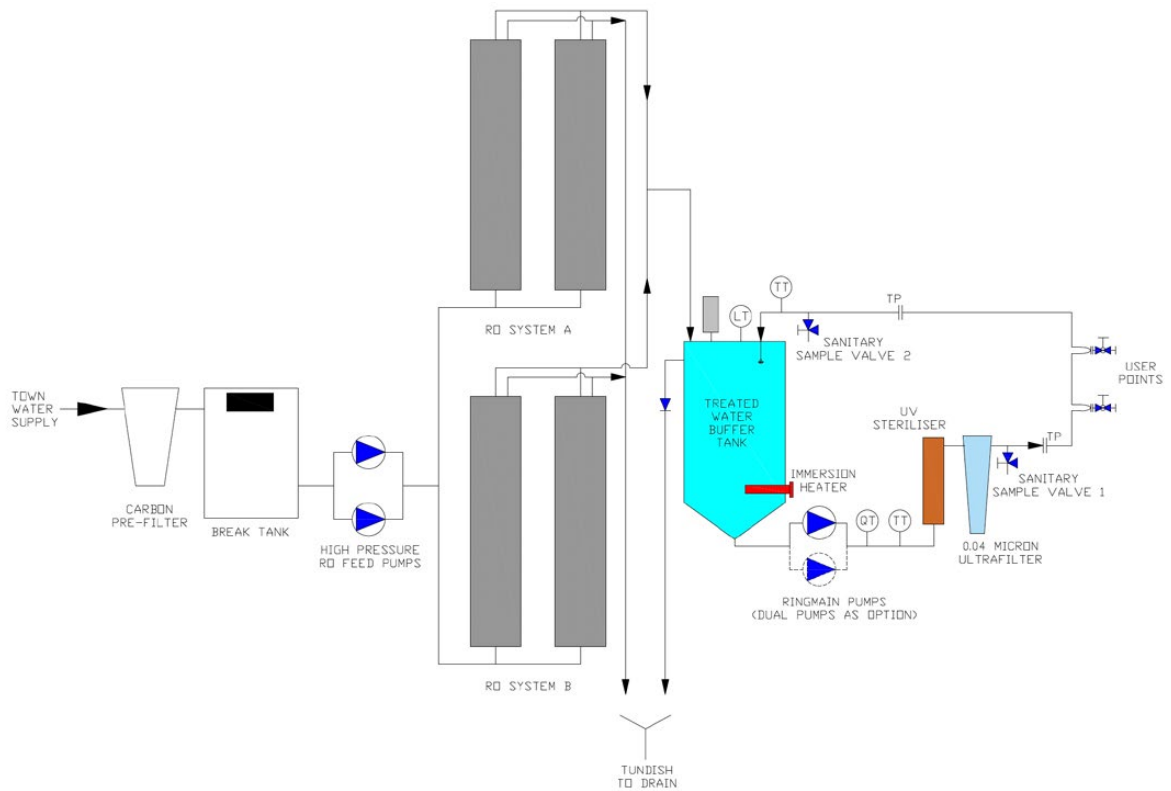
PRODUCT SPECIFICATION	
Production Rate @ 15°C	600 L/h
Delivery Flow Rate	up to 60 L/m
RO Recovery Rate	up to 75%
Dimensions HxWxD (mm)	1950 x 1400 x 710
Shipping Weight (Kg)	250
Inlet Connection	1" BSP
Standpipe Drainage Req'd	50mm
Ringmain Connection	1" IDF
Electrical Supply	3PH 415VAC, 63A

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PROCESS FLOW DIAGRAM



900 L/h Single Pass

ENDOTHERM DUO

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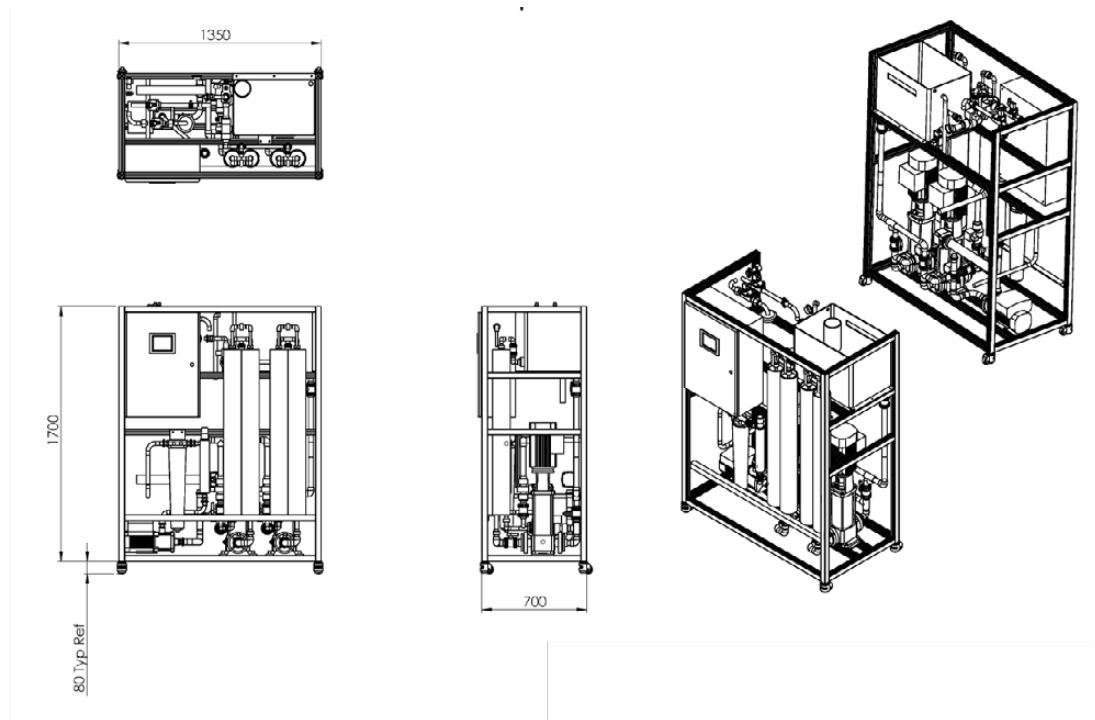


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PLANS/DRAWINGS



OPERATIONAL REQUIREMENTS

FEED WATER REQUIREMENTS

Conductivity	< 1400 μ S/cm
Total Dissolved Solids (TDS)	<500ppm TDS
Hardness	<10ppm CaCO_3
Temperature	5 - 40°C
Fouling Index (SDI)	<10
Free Chlorine	<0.5ppm
Silica	<30ppm SiO_2
Pressure	>2.5 bar

TREATED WATER QUALITY

Conductivity	<30 μ S/cm
Bacteria	<1 CFU/100mL
Endotoxin	\leq 0.25 EU/mL

PRODUCT SPECIFICATION

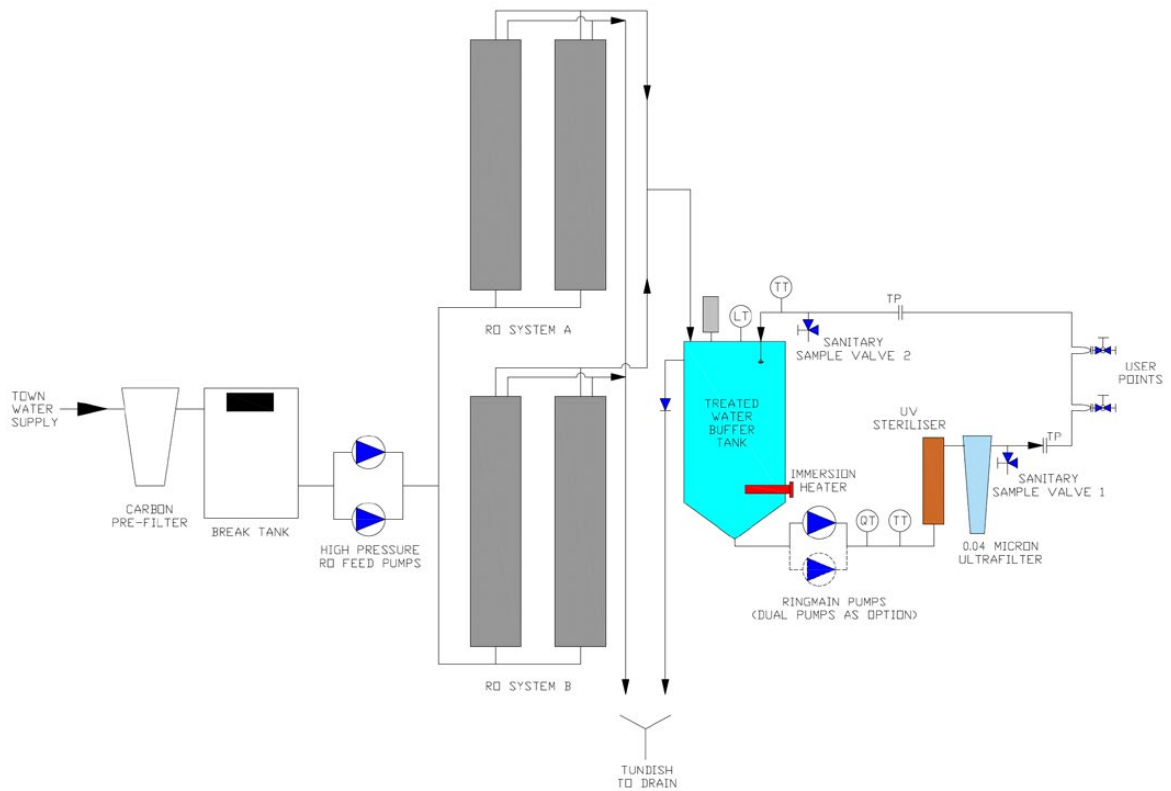
Production Rate @ 15°C	900 L/h
Delivery Flow Rate	up to 120 L/m
RO Recovery Rate	up to 75%
Dimensions HxWxD (mm)	1950 x 1400 x 750
Shipping Weight (Kg)	275
Inlet Connection	1" BSP (M/F?)
Standpipe Drainage Req'd	50mm
Ringmain Connection	1" IDF (M/F?)
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PROCESS FLOW DIAGRAM



1200 L/h Single Pass

ENDOTHERM DUO

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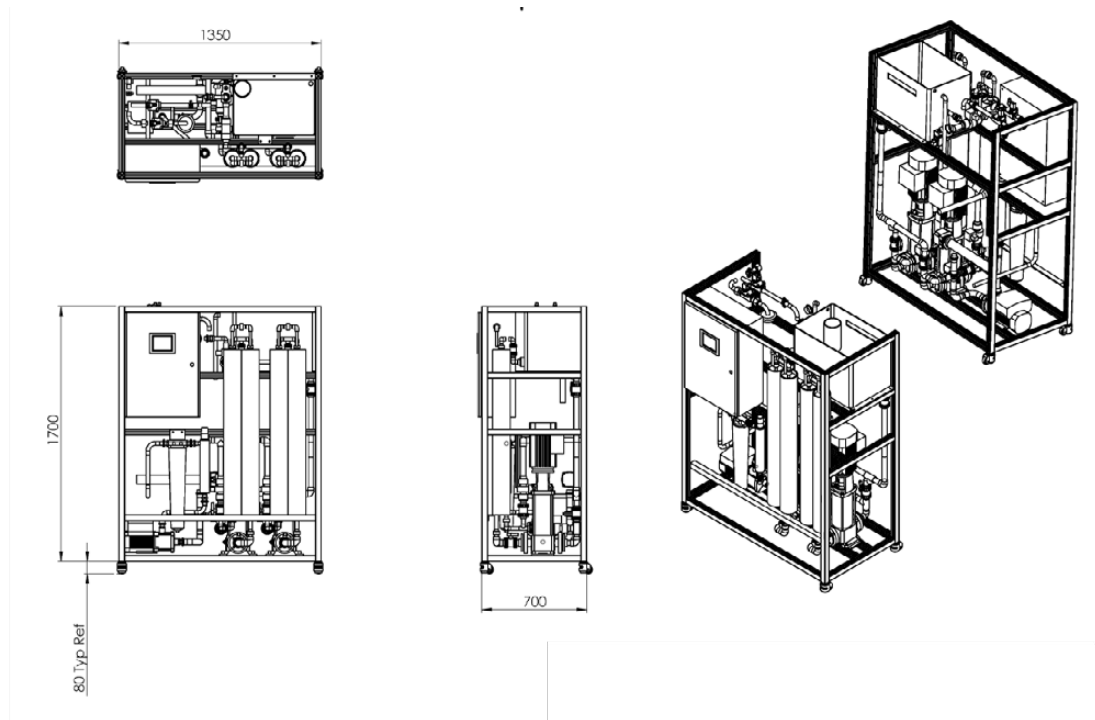
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PLANS/DRAWINGS



OPERATIONAL REQUIREMENTS

FEED WATER REQUIREMENTS

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Hardness	<10ppm CaCO ₃
Temperature	5 - 40°C
Fouling Index (SDI)	<10
Free Chlorine	<0.5ppm
Silica	<30ppm SiO ₂
Pressure	>2.5 bar

TREATED WATER QUALITY

Conductivity	<30 μ S/cm
Bacteria	<1 CFU/100mL
Endotoxin	\leq 0.25 EU/mL

PRODUCT SPECIFICATION

Production Rate @ 15°C	1200 L/h
Delivery Flow Rate	up to 120 L/m
RO Recovery Rate	up to 75%
Dimensions HxWxD (mm)	1950 x 1400 x 750
Shipping Weight (Kg)	300
Inlet Connection	1" BSP
Standpipe Drainage Req'd	50mm
Ringmain Connection	1" IDF
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